11-22-04 TRANSMITTAL OF INFORMATION DISCLOSURE STATEMENT Docket No. (Under 37 CFR 1.97(b) 1.99(c) 15226.4 In Re Application Of: Jonathan B. Olson, et al. NOV 1 9 200 Application No. Filing Date Customer No. **Group Art Unit** Confirmation No. 09/666,445 09/21/2000 **FRENEL** 022913 3626 1490 Title: SYSTEMS AND METHODS FOR COMMUNICATING BETWEEN A DECISION-SUPPORT SYSTEM AND ONE OR MORE MOBILE INFORMATION DEVICES Address to: **Commissioner for Patents** P.O. Box 1450 Alexandria, VA 22313-1450 37 CFR 1.97(b) The Information Disclosure Statement submitted herewith is being filed within three months of the filing of a national application other than a continued prosecution application under 37 CFR 1.53(d); within three months of the date of entry of the national stage as set forth in 37 CFR 1.491 in an international application; before the mailing of a first Office Action on the merits, or before the mailing of a first Office Action after the filing of a request for continued examination under 37 CFR 1.114. 37 CFR 1.97(c) The Information Disclosure Statement submitted herewith is being filed after the period specified in 37 CFR 1.97(b), provided that the Information Disclosure Statement is filed before the mailing date of a Final Action under 37 CFR 1.113, a Notice of Allowance under 37 CFR 1.311, or an Action that otherwise closes prosecution in the application, and is accompanied by one of: ☐ the statement specified in 37 CFR 1.97(e); OR \boxtimes the fee set forth in 37 CFR 1.17(p).

TRANSMITTAL OF INFORMATION DISCLOSURE STATEMENT Docket No. (Under 37 CFR 1.97(b) or 1.97(c)) 15226.4 In Re Application: Jonathan B. Olson, et al. Application No. Filing Date Examiner Customer No. **Group Art Unit** Confirmation No. 09/666,445 09/21/2000 FRENEL 022913 3626 1490 Title: SYSTEMS AND METHODS FOR COMMUNICATING BETWEEN A DECISION-SUPPORT SYSTEM AND ONE OR MORE MOBILE INFORMATION DEVICES Payment of Fee (Only complete if Applicant elects to pay the fee set forth in 37 CFR 1.17(p)) A check in the amount of is attached. The Director is hereby authorized to charge and credit Deposit Account No. 23-3178 as described below. Charge the amount of \boxtimes Credit any overpayment. Charge any additional fee required. Payment by credit card. Form PTO-2038 is attached. WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038. Certificate of Transmission by Facsimile* Certificate of Mailing by First Class Mail I hereby certify that this correspondence is being deposited I certify that this document and authorization to charge deposit with the United States Postal Service with sufficient postage account is being facsimile transmitted to the United States as first class mail in an envelope addressed to Patent and Trademark Office (Fax. No. "Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450" [37 CFR 1.8(a)] on (Date) (Date) Signature Signature of Person Mailing Correspondence Typed or Printed Name of Person Signing Certificate Typed or Printed Name of Person Mailing Certificate *This certificate may only be used if paying by deposit account. Dated: November 19, 2004 FRASER D. ROY Registration No. 45,666 Customer No. 022913 CC:

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	CERTIFICATE OF MAILING BY "EXPRESS MAIL" (37 CFR 1.10) Docket No.						
4	Applicant(s): Jonatha	n B. Olson, et al.		15	226.4		
	Application No NO	g 7004Filing Date	Examiner	Customer No.	Group Art Unit		
	09/666,4	08721/2000	FRENEL, VANEL	022913	3626		
lı	Invention: SYSTEMS AND METHODS FOR COMMUNICATING BETWEEN A DECISION-SUPPORT SYSTEM AND ONE OR MORE MOBILE INFORMATION DEVICES						
_,	I hereby certify that	the following corresponde	ence:				
•	Form PTO-1449 List	ting all Cited References (1	Letter (2 pgs, in triplicate); Information 19 pgs); Legible Copies of 163 Cited Re; postcard; and Certificate of Express I	ferences; PTO-20	38 Credit Card		
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	is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 CFR 1.10 in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on November 7, 2004 (Date)						
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PATENT APPLICATION

Docket No.: 15226.4

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of:)
	Jonathan B. Olson, et al.)
Serial No.:	09/666,445) Art Uni
Filed:	September 21, 2000) 3626
Confirmation No.:	1490)
For:	SYSTEMS AND METHODS FOR COMMUNICATING BETWEEN A DECISION- SUPPORT SYSTEM AND ONE OR MORE MOBILE INFORMATION DEVICES))))
Examiner:	Vanel Frenel)
Customer No.:	022913)

INFORMATION DISCLOSURE STATEMENT UNDER 37 C.F.R. § 1.97

Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

Sir:

Please find, pursuant to 37 C.F.R. § 1.98(a)(1), the enclosed Form PTO-1449 which contains a list of all patents, publications, or other items that have come to the attention of one or more of the individuals designated in 37 C.F.R. § 1.56(c). While no representation is made that any of these references may be "prior art" within the meaning of that term under 35 U.S.C. §§

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102 or 103, the enclosed list of references is disclosed so as to fully comply with the duty of

disclosure set forth in 37 C.F.R. § 1.56.

Moreover, while no representation is made that a specific search of office files or patent

office records has been conducted or that no better art exists, the undersigned attorney of record

believes that the enclosed art is the closest to the claimed invention (taken in its entirety) of

which the undersigned is presently aware, and no art which is closer to the claimed invention

(taken in its entirety) has been knowingly withheld.

In accordance with 37 C.F.R. §§ 1.97 and 1.98, a copy of each of the listed references or

relevant portion thereof is also enclosed.

Dated this 19 day of November, 2004.

Respectfully submitted,

FRASER D. ROY

Attorney for Applicant

Registration No. 45,666 Customer No. 022913

FDR:kc KC0000003329V001

Applicant: Jonathan B. Olson, et al.

Serial No.: 09/666,445

Filing Date: 09/21/2000

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M PTO-1449

For: SYSTEMS AND METHODS FOR COMMUNICATING BETWEEN A

DECISION-SUPPORT SYSTEM AND ONE OR MORE MOBILE

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Group: 3626

Att'y Docket No.: 15226.4

INFORMATION DEVICES

INFORMATION DISCLOSURE CITATIONS MADE BY APPLICANT

U.S. Patent Documents

Examiner <u>Initial*</u>		Patent Number	Issue <u>Date</u>	Name	Class	Sub Class	Filing <u>Date</u>
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	A2.	4,839,822	06/13/89	Dormond, et al.	364	513	08/13/87
4	A3.	5,018,067	05/21/91	Mohlenbrock, et al	.364	413.02	07/29/87
	A4.	5,255,187	10/19/93	Sorensen	364	413.02	04/03/90
	A5.	5,301,105	04/05/94	Cummings, Jr.	364	401	04/08/91
	A6.	5,473,537	12/05/95	Glazer, et al.	364	419.2	04/12/95
	A7.	5,517,405	05/14/96	McAndrew, et al.	364	401	10/14/93
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	A9.	5,583,758	12/10/96	McIlroy, et al.	395	202	06/07/95
	A10.	5,737,539	04/07/98	Edelson, et al.	395	203	10/28/94
	A11.	5,764,923	06/09/98	Tallman, et al.	395	203	11/22/95

Examiner:

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Applicant:

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	A12.	5,833,599	11/10/98	Schrier, et al.	600	300	04/09/96
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INFORMATION DEVICES

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SYSTEMS AND METHODS FOR COMMUNICATING BETWEEN A

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INFORMATION DEVICES

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Form PTO-1449 Sheet 5 of 19 Applicant: Jonathan B. Olson, et al. Serial No.: 09/666,445 Att'y Docket No.: 15226.4 Filing Date: 09/21/2000 Group: 3626 Confirmation No.: 1490 For: SYSTEMS AND METHODS FOR COMMUNICATING BETWEEN A DECISION-SUPPORT SYSTEM AND ONE OR MORE MOBILE INFORMATION DEVICES A45. AYDIN, Carolyn E., et al., "Transforming Information Use in Preventive Medicine: Learning to Balance Technology with the Art of Caring," pp. 563-567, available on information and belief at least as early as 1994 A46. BALAS, E. Andrew et al., "Improving Preventive Care by Prompting Physicians." Arch Intern Med, Vol. 160, Feb 14, 2000, pp. 301-308 A47. BALAS, E. Andrew et al., "The Clinical Value of Computerized Information Services— A Review of 98 Randomized Clinical Trials," Arch Fam Med, Vol. 5, May 1996, pp. 271-278 A48. BATES, David W., "Using information technology to reduce rates of medication errors in hospitals," BMJ, Vol. 320, March 18, 2000, pp. 788-791 A49. BATES, David W., et al., "The Impact of Computerized Physician Order Entry on Medication Error Prevention," Journal of the American Medical Informatics Association, July/August 1999, Vol. 6, No. 4, pp. 313-321 A50. BERGER, Jeffrey, "Roentgen: Radiation Therapy and Case-based Reasoning," pp. 171-A51. BERNSTEIN, Robert M., et al., "Prompting Physicians For Cost-Effective Test Ordering in The Low Prevalence Conditions of Family Medicine," pp. 824-828, available on information and belief at least as early as 1994 A52. BICHINDARITZ, Isabelle, "A Case-Based Assistant for Clinical Psychiatry Expertise," pp. 673-677 A53. BRICKLEY, Mark R., et al., "Performance of a Neural Network Trained to Make Thirdmolar Treatment-planning Decisions," pp. 153-160, available on information and belief at least as early as 1994

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EXPRESS MAIL LABEL NO.: EV 485 808 644 US						
Form PTO-14 Applicant:		Sheet 6 of 19				
Serial No.:	Jonathan B. Olson, et al. 09/666,445	Att'y Docket No.: 15226.4				
Filing Date:	09/21/2000	Group: 3626				
Confirmation	No.: 1490	1				
For:	SYSTEMS AND METHODS FOR COMM DECISION-SUPPORT SYSTEM AND OF INFORMATION DEVICES					
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Form PTO-1449 Applicant: Serial No.: Filing Date: Confirmation No.: For:		Sheet 7 of 19 Att'y Docket No.: 15226.4 Group: 3626 OR COMMUNICATING BETWEEN A M AND ONE OR MORE MOBILE
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EXPRESS MAIL LABEL NO.: EV 485 808 644 US Form PTO-1449 Sheet 8 of 19 Jonathan B. Olson, et al. Applicant: Serial No.: 09/666,445 Att'y Docket No.: 15226.4 Filing Date: 09/21/2000 Group: 3626 Confirmation No.: 1490 For: SYSTEMS AND METHODS FOR COMMUNICATING BETWEEN A DECISION-SUPPORT SYSTEM AND ONE OR MORE MOBILE INFORMATION DEVICES A70. ECCLES, Martin et al., "Effect of computerised evidence based guidelines on management of asthma and angina in adults in primary care: cluster randomised controlled trial," BMJ, Vol. 325, October 26, 2002, pp. 1-7 A71. EVANS, Carl D., et al., "A Case-Based Learning Approach to Grouping Cases with Multiple Malformations," MD Computing, 1995, Vol. 12, No. 2, pp. 127-136 A72. EVANS, R. Scott et al., "Improving Empiric Antibiotic Selection Using Computer Decision Support," Archives of Internal Medicine, Vol. 154, April 25, 1994, pp. 878-884 A73. EVANS, R. Scott et al., "Reducing the Duration of Prophylactic Antibiotic Use Through Computer Monitoring of Surgical Patients," DICP, The Annals of Pharmcotherapy, April 1990, Vol. 24, pp. 351-354 A74. EVANS, R. Scott et al., "Preventing Adverse Drug Events In Hospitalized Patients," The Annals of Pharmacotherapy, Vol. 28, April 1994, pp. 523-527 A75. EVANS, R. Scott et al., "Evaluation of a Computer-Assisted Antibiotic-Dose Monitor," The Annals of Pharmacotherapy, Vol. 33, October 1999, pp. 1026-1031 A76. EVANS, R. Scott, et al., "Development Of An Automatic Antibiotic Consultant," M.D. Computing, Vol. 10, No. 1, 1993, pp. 17-22 A77. EVANS, R. Scott et al., "A Computer-Assisted Management Program For Antibiotics and other Antiinfective Agents," The New England Journal of Medicine, Vol. 338, No. 4, January 22, 1998, pp. 232-239 A78. EVANS, R. Scott, et al., "Prevention of Adverse Drug Events through Computerized Surveillance," pp. 437-441 A79. EVANS, R. Scott, et al., "A Decision Support Tool for Antibiotic Therapy," pp. 651-655

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A82.	GOLDBERG, Dean E., et al., "Computer-based Program For Identifying Medication Orders Requiring Dosage Modification Based On Renal Function," <i>AJHP</i> , Vol. 48, September 1991, pp. 1965-1969
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A87.	HAMMOND, Peter, "OaSiS: Integrating safety reasoning for decision support in oncology," pp. 185-191
A88.	HARBER, Philip et al., "An Expert System Based Preventive Medicine Examination Adviser," <i>JOEM</i> , Vol. 37, No. 5, May 1995, pp. 563-570

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EXPRESS MAIL LABEL NO.: EV 485 808 644 US Form PTO-1449 Sheet 10 of 19 Applicant: Jonathan B. Olson, et al. Serial No .: 09/666,445 Att'y Docket No.: 15226.4 Filing Date: 09/21/2000 Group: 3626 Confirmation No.: 1490 For: SYSTEMS AND METHODS FOR COMMUNICATING BETWEEN A DECISION-SUPPORT SYSTEM AND ONE OR MORE MOBILE INFORMATION DEVICES A89. HENRY, Suzanne Bakken et al., "A Template-based Approach to Support Utilization of Clinical Practice Guidelines Within an Electronic Health Record," Journal of the American Medical Informatics Association, Vol. 5, No. 3, May/June 1998, pp. 237-244 A90. HERAS, J., et al., "TKR-tool: An Expert System for Total Knee Replacement Management," pp. 444-446, available on information and belief at least as early as 1994 A91. HRIPCSAK, George et al., "The Columbia-Presbyterian Medical Center Decision-Support System as a Model for Implementing the Arden Syntax," Proceedings of the Annual Symposium on Computer Applications in Medical Care, 1991, pp. 248-252 A92. HUNT, Dereck et al., "Effects of Computer-Based Clinical Decision Support Systems on Physician Performance & Patient Outcomes," JAMA, Vol. 280, No. 15, October 21, 1998, pp. 1339-1346 A93. JAMES, Brent C., et al., "Making It Easy To Do It Right," The New England Journal of Medicine, Vol. 345, No. 13, September 27, 2001, pp. 991-993 A94. JOHANSSON, Bo et al., "Arden Syntax As A Standard For Knowledge Bases In The Clinical Chemistry Laboratory," Clinica Chimica Acta 222, 1993, pp. 123-128 A95. JOHNSTON, Mary E., et al., "Effects of Computer-based Clinical Decision Support Systems on Clinician Performance and Patient Outcome—A Critical Appraisal of Research," Annals of Internal Medicine, Vol. 120, No. 2, January 15, 1994, pp. 135-142 A96. KAHAN, B.D., "Frontiers For the Coming Millennium," Transplantation Proceedings, Vol. 28, No. 4, (August) 1996, pp. 2299-2306 A97. KAHN, Charles E, Jr., "Artificial Intelligence in Radiology: Decision Support Systems," RadioGraphics, July 1994, Vol. 14, No. 4, pp. 849-861

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EXPRESS MAIL LABEL NO.: EV 485 808 644 US Form PTO-1449 Sheet 12 of 19 Applicant: Jonathan B. Olson, et al. Serial No.: 09/666,445 Att'y Docket No.: 15226.4 Filing Date: 09/21/2000 Group: 3626 Confirmation No.: 1490 For: SYSTEMS AND METHODS FOR COMMUNICATING BETWEEN A DECISION-SUPPORT SYSTEM AND ONE OR MORE MOBILE INFORMATION DEVICES A107. LARSEN, Robert A., et al., "Improved Perioperative Antibiotic Use and Reduced Surgical Wound Infections Through use of Computer Decision Analysis," Infect Control Hospital Epidemiol, Vol. 10, No. 7, 1989, pp. 316-320 A108. LEÃO, Beatriz De F., et al., "Hycones: A Hybrid Approach to Designing Decision Support Systems," MD Computing, Vol. 13, No. 2, 1996, pp. 160-164 A109. LEE, Susan Ciarrocca, "Using a Translation—Invariant Neural Network to Diagnose Heart Arrhythmia," IEEE Engineering in Medicine & Biology Society 11th Annual International Conference, pp. 2025-2026, available on information and belief at least as early as 1989 A110. LEHMANN, E.D., et al., "Combining Rule-based reasoning and mathematical modelling in diabetes care," Artificial Intelligence in Medicine 6 (1994), pp. 137-160 A111. LETTE, Jean et al., "Artificial Intelligence Versus Logistic Regression Statistical Modelling to Predict Cardiac Complications after Noncardiac Surgery," Clin. Cardiol. Vol. 17, November 1994, pp. 609-614 A112. LI, Yu-Chuan, et al., "Assessing the Behavioral Impact of a Diagnostic Decision Support System," 1995, pp. 805-809 A113. LIN, Kang-Ping, et al., "Classification of QRS Pattern by an Associative Memory Model," IEEE Engineering in Medicine & Biology Society 11th Annual International Conference, pp. 2017-2018, available on information and belief at least as early as 1989 A114. MACERATINI, R., et al., "Expert Systems and the Pancreatic Cancer Problem: decision support in the pre-operative diagnosis," J. Biomed. Eng., November 1989, Vol. 11, pp. 487-510 A115. MACLIN, Phillip S., et al., "How to Improve a Neural Network for Early Detection of Hepatic Cancer," Cancer Letters, Vol. 77, 1994, pp. 95-101 Examiner: Date Considered:

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Form PTO-144		Sheet 13 of 19				
Applicant:	Jonathan B. Olson, et al.					
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Form PTO-144		Sheet 17 of 19
Applicant: Serial No.: Filing Date: Confirmation 1	Jonathan B. Olson, et al. 09/666,445 09/21/2000 No.: 1490	Att'y Docket No.: 15226.4 Group: 3626
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Applicant:

Jonathan B. Olson, et al.

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Confirmation No.:

1490

For:

SYSTEMS AND METHODS FOR COMMUNICATING BETWEEN A

DECISION-SUPPORT SYSTEM AND ONE OR MORE MOBILE

INFORMATION DEVICES

References Cited by Applicants

While the filing of Information Disclosure Statements is voluntary, the procedure is governed by the guidelines of Section 609 of the Manual of Patent Examining Procedure and 37 C.F.R. §§ 1.97 and 1.98. To be considered a proper Information Disclosure Statement, Form PTO-1449 shall be accompanied by a copy of each listed patent or publication or other item of information and a translation of the pertinent portions of foreign documents (if an existing translation is readily available to the applicant), an explanation of relevance of each reference not in the English language, and should be submitted in a timely manner as set out in MPEP Sec. 609.

Examiners will consider all citations submitted in conformance with 37 C.F.R. § 1.98 and MPEP Sec. 609 and place their initials adjacent the citations in the spaces provided on this form. Examiners will also initial citations not in conformance with the guidelines which may have been considered. A reference may be considered by the Examiner for any reason whether or not the citation is in full conformance with the guidelines. A line will be drawn through a citation if it is not in conformance with the guidelines AND has not been considered. A copy of the submitted form, as reviewed by the Examiner, will be returned to the applicant with the next communication. The original of the form will be entered into the application file.

Each citation initialed by the Examiner will be printed on the issued patent in the same manner as references cited by the Examiner on Form PTO-892.

The reference designations "A1," "A2," etc. (referring to Applicant's reference 1, Applicant's reference 2, etc.) will be used by the Examiner in the same manner as Examiner's reference designations "A," "B," "C," etc. on Office Action Form PTO-1142.

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